

TASKS			ITEM DESCRIPTION	UOM	MAXIMUM ALLOWED	2022 Work Group Proposed Revision	% change increase or decrease	Additional Comments
1			LABOR CATEGORIES - Refer to Labor Qualifications and Descriptions					Labor rates adjusted based on market changes and general industry standard practice - See workbook for definition clarifications
1.1			Principal	Per Hour	\$0	\$0	NA	
1.2			Licensed Site Professional/ Licensed Professional Engineer	Per Hour	\$145	\$160	10%	
1.3			Project Manager	Per Hour	\$125	\$135	8%	
1.4			Senior Scientist/Senior Engineer/Senior Geologist	Per Hour	\$125	\$135	8%	
1.5			Staff Scientist/Engineer/Geologist/Hydrogeologist II	Per Hour	\$105	\$113	8%	
1.6			Scientist/Engineer/Geologist/Hydrogeologist I	Per Hour	\$80	\$86	7%	
1.7			Permits/Health & Safety Coordinator	Per Hour	\$70	\$86	24%	
1.8			Construction Foreman	Per Hour	\$90	\$97	8%	
1.9			Senior Technician/Technician III	Per Hour	\$75	\$100	34%	
1.10			Technician II	Per Hour	\$65	\$75	15%	
1.11			Technician I	Per Hour	\$50	\$60	20%	
1.12			Draftsperson/CADD Operator-Including CADD Time	Per Hour	\$65	\$86	32%	
1.13			Draftsperson	Per Hour	\$60	TC eliminated	NA	
1.14			Administrative Support	Per Hour	\$50	\$60	20%	
1.15			Heavy Equipment Operator	Per Hour	\$65	\$70	8%	
1.16			Truck Driver (multi-axle or tractor)	Per Hour	\$50	\$70	40%	
1.17			Laborer	Per Hour	\$50	\$60	20%	
2			REPORT PREPARATION					Rate changes generally reflect increased labor rates and/or adjustment
2.1			Phase I Report per 310 CMR 40.0480 - Project disciplines include labor to	NTE	\$7,741	\$8,361	8%	
	2.1.1		File Review Fees charged by State Agency or Local Municipality	Actual	<\$201	<\$201	0%	
2.2			Phase II Scope of Work per 310 CMR 40.0834	NTE	\$4,638	\$4,638	0%	
2.3			Phase II per 310 CMR 40.0830	NTE	\$14,033	\$15,156	8%	
	2.3.1		Phase II Supplemental Addendum	Each	\$4,280	\$4,622	8%	
2.4			Phase III per 310 CMR 40.0850	NTE	\$7,618	\$8,228	8%	
	2.4.1		Phase III Supplemental Addendum	Each	\$3,264	\$3,525	8%	
2.5			Phase IV per 310 CMR 40.0870	NTE	\$8,935	\$9,649	8%	
	2.5.1		Phase IV Status Report per 310 CMR 40.0877	Each	\$3,885	\$4,524	16%	10% increase + \$250 for the elimination of TC 2.22 RMR Form prep
	2.5.2		Phase IV As Built Construction Report per 310 CMR 40.0875	Each	\$1,284	\$1,387	8%	
	2.5.3		Phase IV Final Inspection Report per 310 CMR 40.0878	Each	\$2,611	\$2,820	8%	
	2.5.4		Phase IV Supplemental Addendum Report	Each	\$3,959	\$4,276	8%	
2.6			Phase V per 310 CMR 40.0890					
	2.6.1		Phase V Status Report, Remedy Operation Status Report, ROS Opinion, or Phase V Completion Statement per 310 CMR 40.0893 for an Active Remedial System	Each	\$3,329	\$3,912	18%	10% increase + \$250 for the elimination of TC 2.22 RMR Form prep
		2.6.1.1	Phase V Status Report, Remedy Operation Status Report, ROS Opinion, or Phase V Completion Statement per 310 CMR 40.0892 for an Active Remedial Monitoring Program	Each	\$2,205	\$2,676	21%	10% increase + \$250 for the elimination of TC 2.22 RMR Form prep
	2.6.3		Temporary Solution Status Report per 310 CMR 40.0897	Each	\$3,329	\$3,912	18%	10% increase + \$250 for the elimination of TC 2.22 RMR Form prep
2.7			Risk Assessment per 310 CMR 40.0900					
	2.7.1		Method 1 per 310 CMR 40.0973	Each	\$4,039	\$4,362	8%	
	2.7.2		Method 2 per 310 CMR 40.0980	Each	\$9,352	\$10,100	8%	
	2.7.3		Method 3 per 310 CMR 40.0990	Each	\$30,000	\$20,000	-33%	To be discussed further
	2.7.4		Feasibility of Permanent Solutions; Feasibility of Restoration to Background per 310 CMR 40.0860 & 40.1020.	Each	\$1,642	\$1,774	8%	
	2.7.5		Micro/Macro NAPL Evaluation 310 CMR 40.1003(7)	Each	\$1,642	\$2,000	22%	
2.8			Permanent/Temporary Solutions per 310 CMR 40.1000					
	2.8.1		Permanent Solution with No Conditions	NTE	\$5,248	\$5,668	8%	
	2.8.3		Permanent Solution with Conditions	NTE	\$5,248	\$5,668	8%	
		2.8.3.1	Permanent Solution with Conditions Annual Filing 310 CMR 40.1025(7)	NTE	\$500	\$540	8%	
	2.8.8		Temporary Solution (Permanent Solution is Not Feasible)	NTE	\$4,280	\$4,622	8%	
	2.8.9		Temporary Solution (Permanent Solution is Feasible)	NTE	\$4,280	\$4,622	8%	
	2.8.10		LSP 5-Year Periodic Review of Temporary Solution & Opinion per 310 CMR 40.1050(4)(b)	Each	\$1,969	\$2,126	8%	
2.10			Complete Tier 1 Permit Application per 310 CMR 40.0500	Each	\$3,617	\$3,906	8%	To be discussed further - possibly eliminate TC due to 2014 MCP changes
	2.10.1		Tier I Permit Extension per 310 CMR 40.0560(7)	Each	\$1,798	\$1,941	8%	
	2.10.2		Minor Permit Modification per 310 CMR 40.0725	Each	\$1,027	\$1,109	8%	
	2.10.3		Major Permit Modification per 310 CMR 40.0707	Each	\$3,617	\$3,906	8%	
2.11			Tier II Permit Modification	Each	\$1,027	\$1,109	8%	
	2.11.1		Tier II Extension Submittal	Each	\$1,541	\$1,664	8%	
2.12			Release Abatement Measure Plan per 310 CMR 40.0444	Each	\$2,579	\$2,785	8%	
	2.12.1		Release Abatement Measure Plan Addendum per 310 CMR 40.0444	Each	\$1,284	\$1,387	8%	
	2.12.2		Release Abatement Measure Status Report per 310 CMR 40.0445	Each	\$3,103	\$3,663	18%	10% increase + \$250 for the elimination of TC 2.22 RMR Form prep
	2.12.3		Release Abatement Measure Plan Completion Report per 310 CMR 40.0446	Each	\$4,077	\$4,403	8%	
	2.12.4		Release Abatement Measure Plan Design Specification	Each	\$3,210	\$3,467	8%	
2.13			Immediate Response Action Plan per 310 CMR 40.0424	Each	\$3,114	\$3,363	8%	
	2.13.1		Immediate Response Action Plan Addendum per 310 CMR 40.0424	Each	\$1,284	\$1,387	8%	
	2.13.2		Immediate Response Action Plan Status Report per 310 CMR 40.0425	Each	\$3,103	\$3,663	18%	10% increase + \$250 for the elimination of TC 2.22 RMR Form prep
	2.13.3		Immediate Response Action Plan Completion Report per 310 CMR 40.0427	Each	\$4,077	\$4,403	8%	
	2.13.4		Immediate Response Action Plan Design Specification	Each	\$3,210	\$3,467	8%	
	2.13.5		Combined Immediate Response Action Plan and Completion Report per 310 CMR 40.0427	Each	\$5,746	\$6,206	8%	
2.14			Imminent Hazard Evaluation per 310 CMR 40.0426	Each	\$3,852	\$4,160	8%	Need WB language regarding the frequency these reports are allowed

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	2.14.1		Substantial Hazard Evaluation per 310 CMR 40.0956	Each	\$3,852	\$4,160	8%	Need WB language regarding the frequency these reports are allowed
2.15			LSP Opinion to remove off gas controls	Each	\$1,284	\$1,387	8%	
2.16			Activity and Use limitations per 310 CMR 40.1000	Each	\$5,832	\$6,298	8%	
	2.16.1		Amendment to Activity and Use Limitations per 310 CMR 40.1000	Each	\$1,969	\$2,126	8%	
2.17			Legal Fees for Activity and Use Limitations per 310 CMR 40.1000	Each	\$0	\$0	NA	\$1,000 proposed: TBD - regulatory prohibition on reimbursing legal fees
2.18			Consultant/Client Project Review Per Year	T&M	\$0	\$0	NA	
2.19			Public Involvement per 310 CMR 40.1400	T&M	\$25,680	\$27,734	8%	TBD further - See Workbook for suggested list of typical notices - Needs further discussion
2.20			Police Detail	T&M	\$0	\$0	NA	
2.21			Prepare Monitoring Well & Boring Logs	Per Log	\$80	\$86	8%	
2.22			Prepare Remedial Monitoring Form per 310 CMR 40.0000	Each	\$535	TC eliminated	NA	Costs for RMR to be included with the associated report prep
2.23			Site Cleanup Status Review					
	2.23.1		Site Cleanup Status Review Report	NTE	\$1,700	\$1,836	8%	
	2.23.2		Site Cleanup Status Review Meeting	NTE	\$1,820	\$1,966	8%	

3			HEALTH AND SAFETY PLAN					
3.1			Prepare a site specific health and safety plan	Each	\$193	\$225	17%	
3.2			Update Health and Safety Plan	Each	\$128	\$150	17%	
3.3			Level A Personal Protective Equipment	Per Person / Per Hour	\$50	TC eliminated	NA	TC not used and recommended for elimination
	3.3.1		Level A Fully Encapsulated Suit and Self Contained Breathing Apparatus	Per Day	\$193	TC eliminated	NA	TC not used and recommended for elimination
3.4			Level B Personal Protective Equipment	Per Person / Per Hour	\$33	TC eliminated	NA	TC not used and recommended for elimination
3.5			Level C Personal Protective Equipment	Per Person / Per Hour	\$17	\$17	0%	
3.6			Confined Space Entry Equipment	Per Day	At Cost	At Cost	0%	
3.7			Air monitoring for petroleum product derived air contaminants. Project disciplines include labor to conduct air monitoring, field screening and supervision. Includes PID, oxygen/explosion meter, toxic gas monitoring and/or sampling equipment (air pump and calibrator) sample jars or Tedlar bags, sampling incidentals, color metric sampling equipment, sample collection, sample preparation, sample logging, sample storage, transportation of samples to laboratory, subcontractor coordination, field preparation, travel time and vehicle expense.					See Workbook clarifications
	3.7.1		Full Day (greater than 6 hours including travel)	Per Day	\$1,284	\$1,387	8%	
	3.7.2		Half Day (up to 6 hours including travel)	Per ½ Day	\$963	\$1,040	8%	

4			PRE-FIELD AND PROJECT IMPLEMENTATION ACTIVITIES (for site assessment)					
4.1			Pre-field coordination activities. Project disciplines include the scheduling of field activities with personnel conducting field work and any other support operations, e.g. drillers, subcontractors, inspectors, and site	Per Field Event	\$514	\$555	8%	
4.2			Pre-field activity site visit, Dig Safe site and mark all utilities. To include site visit to verify markings, if necessary.	Per Field Event	\$321	\$347	8%	
4.3			Post-field activity site Visit - See additional guidance	Per Field Event	\$385	\$416	8%	
4.4			Utility / Buried Equipment Location Survey - (using GPR, magnetometer,	Per site	\$1,500	\$2,200	47%	

5			OBTAIN PROPERTY ACCESS					
5.1			Obtain property access - Project disciplines to include all labor, material, and documentation required for obtaining right of entry permits. To include contacting the property owner, local and/or state agencies by telephone with a maximum of four attempts; to coordinate off-site access. Submit a standard access agreement letter and plan depicting proposed locations to the property owner, local and/or state agency. Provide standard installation guidelines and details for the proposed work. Provide copy(ies) of letters of denial to third parties when access denied. See Task code 17 for Road Opening Permits.	Per Agreement or Addendum	\$770	\$1,000	30%	

6			EXCAVATED SOILS MONITORING/HANDLING/REPORTING,					
6.1			Excavated Soil Field Monitoring - Project disciplines include labor to monitor					
	6.1.1		Full Day monitoring (greater than 6 hours including travel expense)	Per Day	\$1,284			
	6.1.2		Half Day monitoring (up to 6 hours including travel expense)	Per ½ Day	\$963			
	6.1.3		Soil Excavation Labor (refer to Task code 1 for applicable hourly labor maximums, Task code 28-series for vehicles and heavy equipment, and Task code 6.6 for backfill materials.	Per Day	\$2,247			
6.2			Disposal Management - Review laboratory results for waste characterization, prepare Manifest/Bill of Lading, LSP Certification, and contractor/client coordination.	NTE Per BOL	\$642			
6.3			Soil Disposal/Hot Recycling and transportation (max 8,000 tons) NOTE: 1 cuyd equals approx. 1.5 tons of soil. A minimum of 3 BIDS required or a maximum of \$48/ton will be allowed. (see Workbook)	Actual	At Cost			
6.4			Soil Disposal/Cold Recycling and transportation (max 8,000 tons) NOTE: 1 cuyd equals approx. 1.5 tons of soil. A minimum of 3 BIDS required or a maximum of \$48/ton will be allowed. (see Workbook)	Actual	At Cost			
6.5			Soil Disposal/Lined landfill and transportation (max 8,000 tons) NOTE: 1 cuyd equals approx. 1.5 tons of soil. A minimum of 3 BIDS required or a maximum of \$48/ton will be allowed. (see Workbook)	Actual	At Cost			
	6.5.1		Soil Disposal/Unlined landfill and transportation	Per Ton	\$0			
6.6			Backfill materials, including loam, sand, stone, etc. delivered to Site. See additional guidance. NOTE: 1 cubic yard equals approximately 1.5 tons of soil.	Actual	At Cost			

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6.7			Bioremediation - Ex or In-Situ Treatment includes all labor, material, equipment, bacteria, nutrients, water and other ingredients necessary for the bioremediation application. Project disciplines includes labor to conduct the bioremediation application, site supervision, subcontractor coordination, purchase of bioremediation application materials, e.g., bacteria, water, and nutrients, field preparation time and travel time. Volume of soil and/or groundwater to be treated is calculated on a cubic yard basis. See additional guidance. NOTE: 1 cubic yard equals approximately 1.5 tons of soil.	CU/YD	\$23			
	6.7.1		Bioremediation or chemical application feasibility bench scale evaluation and report for groundwater.	NTE	\$3,210			
	6.7.2		Bioremediation or chemical application feasibility bench scale evaluation and report for groundwater and soil.	NTE	\$5,136			
6.8			Oxygen Filter Socks for Monitoring Wells					
	6.8.1		Oxygen Filter Socks for 2" diameter Monitoring Wells	Per Foot	\$30			
	6.8.2		Oxygen Filter Socks for 4" diameter Monitoring Wells	Per Foot	\$45			
	6.8.3		Oxygen Filter Socks for 8" diameter Monitoring Wells	Per Foot	\$78			
	6.8.4		Labor to replace/install Oxygen Filter Sock	Per Well	\$50			
6.9			Oxygen Release Powder in Bulk					
	6.9.1		Oxygen Release Powder in Bulk	Per LB	At Cost			
6.10			Oxygen Cylinder	Actual	At Cost			
	6.10.1		Oxygen/nitrogen gas	Actual	At Cost			
6.11			Oxidant Injections, includes travel time and equipment (excludes all chemicals see 6.11.3) (See Task Code 3 for Health & Safety Equipment)					
	6.11.1		Full Day (greater than 6 hours including travel up to and including 10	Per Day	\$2,700			
	6.11.3		Chemicals	Actual	At Cost			
6.12			Surfactant Injection, includes travel time and equipment (See Task code 3 for Health & Safety Equipment)					
	6.12.1		Full Day (greater than 6 hours including travel)	Per Day	\$2,700			
	6.12.2		Half Day (up to 6 hours including travel)	Per ½ Day	\$2,140			
	6.12.3		Chemicals	Actual	At Cost			

7			PORTABLE G.C.					
7.1			Portable G.C. for use on site, including operator and equipment incidentals,					
	7.1.1		Half Day Rate (6 hours or less including travel expenses)	Per Day	\$877			
	7.1.2		Full Day Rate (Greater than 6 hours including travel expenses)	Per Day	\$1,428			
	7.1.3		Weekly Rate (5 or more >6-hour days on site)	Per Week	\$6,420			
	7.1.4		Analysis/Sampling Report	Each	\$1,027			
	7.1.5		Tedlar Bags					
		7.1.5.1	1 Liter	Each	\$19			
		7.1.5.2	3 Liter	Each	\$23			
7.2		7.1.5.3	5 Liter	Each	\$25			
			Passive Soil Gas Sensors, e.g. Gore Sorber or equivalent	Each	At Cost			

9			DRILLING ACTIVITIES. Three (3) competitive bids may be obtained for					
9.1			Equipment mobilization/demobilization (same for all drilling types, includes travel for drill rig, support vehicles and personnel). Based on 8 hours on-site.					
	9.1.1		1 - 50 Miles (radius)	Each	\$360			
	9.1.2		>50 Miles (radius)	Each	\$480			
	9.1.3		Overtime (Over 8 hours on site inclusive of drill rig, support vehicles, and drilling personnel, not for oversight labor).	Per Hour	\$300			
9.2			Inspector oversight of field work including: Vacuum Excavation, Drilling, Rock Coring, Groundwater Monitoring Well, Recovery Well, SVE Well, and AS Point Installation and Soil Sampling - Project Disciplines include labor to conduct borehole logging, field screening, and site supervision. Includes PID, oxygen/explosion meter, toxic gas monitoring equipment, sample jars, sampling incidentals, field screening of soil samples, sample collection, sample preparation, sample logging, sample storage, transportation of samples to laboratory, subcontractor coordination, field preparation, travel time, and vehicle expense.					
	9.2.1		Full Day (greater than 6 hours including travel)	Per Day	\$1,284			
	9.2.2		Half Day (up to and including 6 hours including travel)	Per ½ Day	\$963			
9.3			Soil Borings, Sampling, and Monitoring, Recovery, SVE, AS well installation and completion. All labor and equipment are included under Task Codes 9.3.1.1 to 9.3.1.5. All materials for the construction of PVC wells / points are included under Task Codes 9.3.2.1 to 9.3.2.5. Air compressor and drums are not included. Refer to guidance for special materials not included.					
	9.3.1		All labor and equipment [inclusive of drill rig and support vehicle(s)] required for the performance of soil borings, soil sampling, installation and completion of Monitoring, Recovery, SVE, and AS wells, and soil gas sampling points (day rates include well development, sawcutting, temporary groundwater well head make-up and pad labor, drumming labor, decontamination procedures, and general site restoration (per DEP WSC 310-91). Does not include grout pump and materials, see Task Code 9.3.5 or air compressor for air rotary drilling, see Task code 9.3.4.					
		9.3.1.1	Direct Push	Per Day	\$1,500			
		9.3.1.3	Hollow Stem Auger	Per Day	\$1,600			
		9.3.1.4	Air Hammer Bit Wear	Per foot	\$20			
		9.3.1.6	Drilling ½-day rate	Per ½ Day	\$800			
	9.3.2		Except as noted, materials include all types of PVC riser and screen pipe, j-plugs, bentonite, and sand (excludes manholes/roadboxes).					
		9.3.2.1	Direct push acetate liners (up to 5' in length)	Each	\$12			
		9.3.2.2	<2" Monitoring, Injection, AS, SVE, Recovery Well	Per Foot	\$9			
		9.3.2.3	2" to <4" Monitoring, Injection, AS, SVE, Recovery Well	Per Foot	\$12			
		9.3.2.4	4" to <6" Monitoring, Injection, AS, SVE, Recovery Well	Per Foot	\$17			
		9.3.2.5	6" Monitoring, Injection, AS, SVE, Recovery Well	Per Foot	\$28			
		9.3.2.6	Bedrock Casing 6" or less	Per Foot	\$46			
	9.3.3		Monitoring, SVE, AS, Recovery well roadbox (Installation not done in conjunction with drilling task), includes concrete pad, traffic-rated roadbox, and installation labor.	Per Well	\$300			
		9.3.3.1	Monitoring, SVE, AS, Recovery well roadbox (Installation done in conjunction with drilling task), includes concrete pad, traffic-rated roadbox, and installation labor.	Per Well	\$225			

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	9.3.4		Monitoring, SVE, AS, Recovery well manhole (Installation not done in conjunction with drilling task), includes concrete pad, traffic-rated manhole, and installation labor.	Per Well	\$400			
		9.3.4.1	Monitoring, SVE, AS, Recovery well manhole (Installation done in conjunction with drilling task), includes concrete pad, traffic-rated manhole, and installation labor.	Per Well	\$325			
	9.3.5		Grouting (inclusive of pump and grout materials) labor included in 9.3.1.1 to 9.3.1.5.	Per Foot	\$12			
9.4			Rock Coring/Sampling to assess competency of and classify bedrock (includes drill rig, materials, labor, grouting, drums, drumming labor, restoration of work area to original and decontamination procedures; saw cutting included in per foot cost, units are per boring and including steam cleaner).					
	9.4.1		HQ 2 7/8" or equivalent.	Per Foot	\$20			
	9.4.2		PQ 3 7/8" or equivalent.	Per Foot	\$36			
	9.4.5		Tripod Rig	Per Day	At Cost			
	9.4.6		Concrete coring		At Cost			
9.5			Vibratory/Slide Hand-held Hammer - Includes the cost for all labor and equipment to install soil, soil gas and groundwater sample collection points.	Per Day	\$706			
	9.5.1		Non well materials for soil, soil gas and groundwater sample collection points by vibrating/slide hand-held hammer.	Actual	At Cost			
9.6			Hand Auger for sample collection point installation or sample collection. Includes labor. Use Task Codes 9.3.2.1 - 9.3.2.4 for well materials.	Per Day	\$642			
9.7			Well surveying					
	9.7.1		Surveying (un-licensed)					
		9.7.1.1	Half Day (6 hours or less including travel)	Per ½ Day	\$1,065			
		9.7.1.2	Full Day (greater than 6 hours including travel)	Per Day	\$1,685			
		9.7.1.3	Drafting - See additional guidance	Per Event	\$669			
	9.7.2		Licensed Professional Survey					
		9.7.2.1	Half Day (6 hours or less including travel)	Per ½ Day	\$1,338			
		9.7.2.2	Full Day (greater than 6 hours including travel)	Per Day	\$2,568			
		9.7.2.3	Drafting - See additional guidance	Per Event	\$1,070			
9.8			Professional Utility Survey - includes above and underground utilities, inverts, reference to most current datum and drafting.	NTE	\$3,100			
9.9			Ground Penetrating Radar Survey & Report	NTE	\$2,675			
10			MONITORING/RECOVERY WELL DEVELOPMENT					
10.1			Equipment mobilization/demobilization (includes oversight, drill rig, labor, materials, travel and steam cleaner) See Task code 28 for liquids disposal.					
	10.1.1		Equipment mobilization/demobilization 1-50 miles (radius)	Each	\$360			
	10.1.2		Equipment mobilization/demobilization > 50 miles (radius)	Each	\$480			
10.2			2" Well Development	Per Hour	\$104.00			
10.3			4" Well Development	Per Hour	\$104.00			
10.4			6-10" Well Development	Per Hour	\$321			
10.5			12"-26" Well Development	Per Hour	\$366			
11			GROUNDWATER GAUGING/BAILING AND SAMPLING					
11.1			Labor and equipment to perform inspection, gauging, sampling of wells and product bailing (if required), all sampling equipment, all gauging equipment, sample jars, sampling incidentals, sample preparation, sample logging, sample storage, transportation of samples to laboratory, travel time and vehicle expenses, instruments, and decontamination materials. Do not combine Task Codes for sites with multiple monitoring wells. For example, if 15 monitoring wells are purged and sampled, use Task Code 11.1.3.2 for all 15 monitoring wells; not 11.1.3.1 for 10 and 11.1.3.2 for the other 5 monitoring wells. POET System sampling should be coded under Task code 22.					
	11.1.1		Includes all disciplines/equipment and travel	NTE/Event	\$455			
	11.1.2		Well gauging (include all related costs)	Per Well	\$31			
	11.1.3		Well purging and sampling using hand bailer (incremental cost over gauging; include all related costs)<35' deep	Per Well	\$68			
	11.1.4		Well purging and sampling using hand bailer (incremental cost over gauging; include all related costs)> 35' deep	Per Well	\$74			
	11.1.5		Hand Bail NAPL	Per Well	\$64			
	11.1.6		Field Filtration of Groundwater Sample	Per Sample	\$43			
	11.1.7		Field Measurements (DO, pH, Turbidity, Conductivity, Temperature)	Per Well	\$25			
	11.1.8		Well sampling using pump (incremental cost OVER gauging; include all related costs) <35' deep	Per Well	\$82			
	11.1.9		Well sampling using pump (incremental cost over gauging; include all related costs)>35' deep	Per Well	\$108			
11.2			Additional Person to Sample Monitoring Wells Due to Traffic Considerations	NTE/Hour	\$80			
11.3			Disposable Bailer with VOC Sampler	Each	\$10			
11.4			Surface Water and/or Sediment Sampling					
	11.4.1		Labor	Per Event	\$2,400			
	11.4.2		Equipment	Actual	At Cost			
	11.4.3		Catch Basin Sampling	Per Event	\$540			
11.5			Potable Well/Tap Sampling	Per Sample	\$71			
11.6			Adsorbent Boom/Passive Skimmer Placement and/or Removal – Labor Only. Material cost of passive skimmer/ boom or sock should be coded under Task Code 29.	Per hour	\$75			
12			AQUIFER PUMP TEST					

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12.1			Perform an 8 hour step and/or a 12, 24 or 48-hour constant discharge pumping test: Subtasks shall include the following: • 2 Personnel to be on site at all times • Maximum of 10 data points to be evaluated • All equipment, materials and supplies • Equipment mobilization/demobilization • Disciplines travel • Field preparation (inc. all material and equipment) • 8 hour step discharge test • 12/24/48-hour constant discharge test with recovery • Coordinate storage of extracted groundwater (if required) • Test analysis, documentation and report • Project disciplines cost NOTE: For storage, disposal, or treatment operation of extracted water, refer to other pertinent Task codes. See additional guidance.					
	12.1.1		Aquifer Pump Test					
		12.1.1.1	Step discharge (up to 8 hours)	NTE	\$2,889			
		12.1.1.2	12 hour constant discharge	NTE	\$3,745			
		12.1.1.3	24 hour constant discharge	NTE	\$5,778			
		12.1.1.4	48 hour constant discharge	NTE	\$10,486			
13			RIISING OR FALLING HEAD (SLUG) TEST / LNAPL BAIL DOWN TEST					
13.1			Perform rising or falling head (slug) test:					
	13.1.1		Full Day (Greater than 6 hours on site)	Per Day	\$2,461			
	13.1.2		Half Day (6 hours or less on site)	Per Day	\$1,498			
14			SOIL VAPOR EXTRACTION / AIR SPARGING TESTING					
14.1			Labor and equipment to perform VES and/or air sparge testing; Subtasks shall include the following: • Equipment mobilization/demobilization • Travel time and vehicle expense • Field preparation (inc. all material and equipment) • Data evaluation, documentation and report • Vapor transport modeling • Permitting • Project disciplines cost • Laboratory Analyses found under Task 27 • Equipment Rental found under Task 28 • Fluids disposal found under Tasks 28 See additional guidance					
	14.1.1		Conduct extraction test with air emissions treatment (<10" Hg)	NTE	\$4,927			
	14.1.2		Conduct high vacuum extraction test with air emissions treatment (>10"	NTE	\$6,163			
	14.1.3		Conduct sparge test in conjunction w/SVE test with air emissions	NTE	\$5,184			
	14.1.4		Conduct sparge test only w/existing SVE system	NTE	\$3,750			
15			REMEDATION FEASIBILITY STUDIES (NET PRESENT VALUE)					
15.1			Feasibility study - See additional guidance.					
	15.1.1		NPV analysis on 2 options	NTE	\$514			
	15.1.2		NPV analysis for each additional item	NTE	\$193			
16			LEASE/PURCHASE ANALYSIS & BID SPECIFICATIONS					
16.1			Lease vs. Purchase analysis per 503 CMR 2.10(c) - See additional	NTE	\$385			
16.2			Bid Specification Preparation Time - See additional guidance.	Each	\$3,852			
17			REMEDATION PERMITTING					
17.1			Permit preparation, acquisition, and monitoring. Permit fees to governmental agencies are not reimbursable. Refer to Task code 20 for utility permits					
	17.1.1		Discharge Permits					
		17.1.1.1	NPDES - Permit Exclusion	Each	\$535			
		17.1.1.2	NPDES - Formal Application/Remediation General Permit	Each	\$2,675			
		17.1.1.3	MADEP - Surface Water Discharge Permit	Each	\$1,798			
		17.1.1.4	Industrial discharge/POTW/MWRA Permit	Each	\$2,311			
		17.1.1.5	Local Discharge Permit	Each	\$1,070			
		17.1.1.6	Air Emissions Permit	Each	\$1,027			
		17.1.1.7	Discharge Monitoring Reports					
		17.1.1.7.1	Initial Discharge Monitoring Report	Each	\$444			
		17.1.1.7.2	Monthly Discharge Monitoring Report	Each	\$353			
		17.1.1.7.3	Quarterly Discharge Monitoring Report	Each	\$444			
		17.1.1.8	Permitted Remediation Dewatering - project disciplines include labor to monitor groundwater remediation pumping and treatment equipment per Permit requirements. Includes PID, oxygen explosion meter, toxic gas monitoring equipment, sample jars, sampling incidentals, field screening of water samples, and transportation of samples to laboratory, subcontractor coordination, field preparation and travel time.					
		17.1.1.8.1	Full Day (up to and including 25.5 hours of labor on site with 1/2 hour overlap between shifts)	Per Day	\$2,500			
	17.1.2		Building Permit	Each	\$856			
	17.1.3		Wetlands Approval and/or Rivers Protection Act - Includes DEP required sign	Each	\$4,366			
	17.1.4		Road Opening Permit / Trenching Permit	Each	\$770			
		17.1.4.1	Prepare and Submit Traffic Plan to the State Department of Public Works	Each	\$1,284			
	17.1.5		Other required permit	Each	\$257			
	17.1.6		Dye Test to Confirm Outfall Location	Each	\$428			
18			TRENCHING AND INSTALLATION OF UNDERGROUND PIPING AND					
18.1			Project disciplines cost - Full Day (greater than 6 hours including travel time) (supervision and oversight)	Per Day	\$1,284			
18.2			Project disciplines cost - Half Day (6 hours or less including travel time) (supervision and oversight)	Per ½ Day	\$963			

TASKS			ITEM DESCRIPTION	UOM	MAXIMUM ALLOWED	2022 Work Group Proposed Revision	% change increase or decrease	Additional Comments
18.3			Installation Crew, Up to and including 8 hours on site and inclusive of travel time. To be utilized in conjunction with other applicable Task codes 28-series. Use for all tasks associated with installation of underground piping, remediation infrastructures (i.e. shed and vaults), and site restoration activities.	Per Day	\$2,568			
18.4			Remediation system materials, including but not limited to pipe, fittings and adapters, glue, primer, backfill materials, asphalt, concrete and cement, final roadbox/manhole installation, etc.	Actual	At Cost			
18.5			Remediation equipment compound and/or shed, including explosion proof lights & heater. For electrical installation, refer to Task 20.4					
18.5.1			<80 Square foot - flat roof	Per Shed	\$7,687.50			
18.5.2			<80 Square foot - gable roof	Per Shed	\$7,775			
18.5.3			80 - 120 Square foot - flat roof	Per Shed	\$8,312.50			
18.5.4			80 - 120 Square foot - gable roof	Per Shed	\$8,718.75			
18.5.5			121 - 150 Square foot - flat roof	Per Shed	\$8,968.75			
18.5.6			121 - 150 Square foot - gable roof	Per Shed	\$9,218.75			
18.5.7			151 - 240 Square foot - flat roof	Per Shed	\$10,475			
18.5.8			151 - 240 Square foot - gable roof	Per Shed	\$10,850			
18.5.9			>240 Square foot - flat roof	Per Shed	\$12,675			
18.5.10			>240 Square foot - gable roof	Per Shed	\$13,150			
18.5.11			Equipment pad					
	18.5.11.1		Concrete slab (6" deep, reinforced with wire mesh)					
	18.5.11.1.1		<80 Square foot	SF	\$10.00			
	18.5.11.1.2		80 - 120 Square foot	SF	\$7.25			
	18.5.11.1.3		121 - 150 Square foot	SF	\$6.00			
	18.5.11.1.4		151 - 240 Square foot	SF	\$5.00			
	18.5.11.1.5		>240 Square foot	SF	\$4.75			
	18.5.11.2		Cast in place footing (1' x 1' reinforced concrete deadman)	LF	\$18			
	18.5.11.3		Concrete berm (where required)	LF	\$30			
18.5.12			Equipment compound fencing - installed					
	18.5.12.1		Fencing - 6 foot high stockade	LF	At Cost			
	18.5.12.2		Fencing - 6 foot high chain link	LF	At Cost			
	18.5.12.3		Fencing - Gates	LF	At Cost			

20			INSTALLATION OF UTILITIES FOR REMEDIATION SYSTEMS ONLY					
20.1			Coordination of utility installation, including phone calls, permit applications and associated paperwork. Remediation systems to be metered separately from all other uses. Reimbursement per utility. Monthly utility bills are coded under 23.2. Site visits may also be included under task code 4.2	Per Utility	\$642			
20.2			Utility installation costs from street to meter excluding federal, state or local governmental fees.	Actual	At Cost			
20.3			Electrical Installation Crew to complete the electrical service and the remediation system installation, including labor for electrical work related to equipment components identified in Task Code 22. Three (3) competitive bids may be obtained for work and/or materials covered by this task in place of or used in conjunction with the unit price(s).	Per Day	\$1,600			
20.4			Remediation System Electrical installation materials. (e.g. conduit, wire, breakers, service panel, mast for meter, etc) Purchase of Remediation System electrical control panel should be coded to 22.4	Actual	At Cost			

22			PURCHASE AND INSTALLATION OF SURFACE COMPONENTS OF					
22.1			Removal and reinstallation of surface components of remediation systems (including portable, skid-mounted and stand alone system components).	NTE	\$12,840			
22.2			Removal and/or storage of remediation equipment (including portable, skid mounted and stand alone system components).	NTE	\$3,852			
22.3			Installation crew, travel time and vehicle expense	Per Day	\$1,712			
22.4			Remedial System Equipment Purchase - Surface Components of Remediation Systems. This task code can only be used for single components <=\$5,000 with a \$25,000 system aggregate. Three bids are required for components >\$5,000 and systems >\$25,000. See additional guidance	Actual	At Cost			

23			SVE AND GROUNDWATER REMEDIATION SYSTEMS OPERATION AND					
23.1			General O&M of Remedial Systems - Project Disciplines include labor to obtain operational measurements of system, vapor and liquid sample collection, and routine system component maintenance. Includes PID/FID, pitot tube/rotameter, hand pump, sample jars, sampling incidentals, field screening of samples, sample preparation, sample logging, sample storage, transportation of samples to laboratory, subcontractor coordination, field preparation, travel time, and vehicle expenses (excludes labor and materials associated with groundwater monitoring, gauging, sampling, which are to use the task codes in Task code 11).					
	23.1.1		Full Day is greater than 6 hours inclusive of travel time and expense. One hour total of project management/administrative time is allowed under this task code and is included in the day rate.	Per Day	\$1,284			
	23.1.2		Half Day is up to 6 hours inclusive of travel time and expense. One hour total of project management/administrative time is allowed under this task code and is included in this half day rate.	Per ½ Day	\$963			
	23.1.3		Extra Person on site to accomplish labor intensive tasks (i.e. Air stripper cleaning, air stripper packing replacement, moving equipment, etc) - Reason for extra person required with submission.	Per Hour	\$65			
	23.1.4		Non-incidentual operation and maintenance materials (filter elements, sequestering agents, chemical additives, etc.) This code is only for operation and maintenance materials	Actual	At Cost			

TASKS			ITEM DESCRIPTION	UOM	MAXIMUM ALLOWED	2022 Work Group Proposed Revision	% change increase or decrease	Additional Comments
23.2			Utilities - Metered separately from all other uses.	Actual	At Cost			
23.3			Repair of system per year from system start-up, per year, including labor, see additional guidance	NTE	\$8,560			
23.4			Cleaning Air Stripper Trays or Towers - (materials and disposal.)					
	23.4.1		Packing replacement/disposal	Actual	At Cost			
	23.4.2		Acid wash air stripper tray or tower	Actual	At Cost			
23.5			Carbon treatment system					
	23.5.1		Carbon or <200 lbs Carbon vessel replacement (liquid or vapor phase / virgin or regenerated)	Actual	At Cost			
	23.5.2		Carbon or <200 lb Carbon vessel - Disposal/reactivation	Actual	At Cost			
23.6			Contaminated liquid removal and disposal					
	23.6.1		Contaminated Water Disposal-Bulk - Includes labor	Per Gallon	\$1.93			
	23.6.2		NAPL and Disposal	Per Gallon	\$2.25			
	23.6.3		Sludge and Disposal-Bulk	Per Gallon	\$11.24			
	23.6.4		Contaminated Water Disposal - 6 Drums Maximum	Per 55 Gal Drum	\$257			
		23.6.4.1	Transportation of Drum(s)	Per Event	\$385			
	23.6.5		Mixed Media Disposal/Nonrecyclable or Characteristic Hazardous Waste - 10 Drums Maximum	Per 55 Gal Drum	\$1,440			
		23.6.5.1	Transportation of Drum(s)	Per Event	\$1,200			
	23.6.6		Virgin Petroleum Oil Contaminated Soil - 10 Drums Maximum	Per 55 Gal Drum	\$161			
		23.6.6.1	Transportation of Drum(s)	Per Event	\$385			
	23.7		Piping & Instrumentation Diagram (P&ID)	Per system	\$1,300			
24			CONCRETE WELL PAD/ROAD BOX/MANHOLE REMOVAL AND REPLACEMENT/REPAIR					
24.1			Remove and replace concrete pad/manhole/road box/standpipe					
	24.1.1		Pad replacement (old and new pad elevation shall remain consistent, if appropriate) Task maximum for this activity is inclusive of travel time and equipment.					
		24.1.1.1	1 - 3 Pads	Per Pad	\$353			
		24.1.1.2	> 3 Pads	Per Pad	\$316			
	24.1.2		Replace traffic-rated roadbox or standpipe (<18" diameter) and pad (Includes pad replacement)					
		24.1.2.1	1 - 3 Roadbox	Each	\$417			
		24.1.2.2	>3 Roadbox	Each	\$385			
	24.1.3		Replace traffic-rated manhole (>=18" diameter) and pad (Includes pad replacement)					
		24.1.3.1	Manholes	Actual	At Cost			
	24.1.4		Locking Monitoring Well Plugs as Replacement					
		24.1.4.1	2" Diameter	Each	\$20			
		24.1.4.2	4" Diameter	Each	\$30			
		24.1.4.3	6" Diameter	Each	\$40			
	24.1.5		Replacement monitoring well covers with O-rings					
		24.1.5.1	4" Diameter	Each	\$30			
		24.1.5.2	6" Diameter	Each	\$35			
		24.1.5.3	8" Diameter	Each	\$38			
		24.1.5.4	12" Diameter	Each	\$55			
		24.1.5.5	Labor for Well cover repair	Each	\$50			
25			WELL ABANDONMENT					
25.1			Equipment mobilization/demobilization (includes equipment travel)					
	25.1.1		Equipment mobilization/demobilization 1-50 miles (radius)	Each	\$360			
	25.1.2		Equipment mobilization/demobilization > 50 miles (radius)	Each	\$480			
25.2			Inspector oversight of field work including: Project Disciplines include labor to oversee well abandonment including subcontractor coordination, field preparation, travel time, and vehicle expense.					
	25.2.1		Full Day (greater than 6 hours including travel)	Per Day	\$1,284			
	25.2.2		Half Day (up to and including 6 hours including travel)	Per ½ Day	\$963			
25.3			Well abandonment by pressure grouting					
	25.3.1		2" Diameter well	Per Foot	\$17			
	25.3.2		4" Diameter well	Per Foot	\$20			
	25.3.3		6" Diameter well	Per Foot	\$23			
	25.3.4		8" Diameter well	Per Foot	\$29			
25.4			Well abandonment by drill out and grout method (all per foot costs include restoration of work area, clean-up)					
	25.4.1		2" Diameter well	Per Foot	\$17			
	25.4.2		4" Diameter well	Per Foot	\$23			
	25.4.3		6" Diameter well	Per Foot	\$29			
	25.4.4		8" Diameter well	Per Foot	\$35			
25.5			DEP Report submitted by Licensed Driller	NTE	\$270			
26			DEP AND MCP REQUIRED MEETINGS AND OUT OF SCOPE TRAVEL					
26.1			All disciplines: labor, equipment, and travel cost (including all related hrs.) for DEP/MCP meetings. See additional guidance.					
	26.1.1		0 - 50 Miles (radius)	NTE/Per Event	\$326			
	26.1.2		51 - Maximum 100 Miles (radius)	NTE/Per Event	\$439			
	26.1.3		DEP Requested Meetings	Each	\$1,284			
		26.1.3.1	DEP Information Gathering & Response	NTE/Per Event	\$1,284			
		26.1.3.2	Audit Follow-Up Plan per 310 CMR 40.1160	NTE/Per Event	\$2,311			
		26.1.3.3	Audit Follow-Up Plan Completion Statement per 310 CMR 40.1170	NTE/Per Event	\$3,210			
	26.1.4		Post RAO DEP Audit	NTE	\$1,284			
26.2			LSP Site Visit (includes labor, travel time and vehicle) Up to 2 visits per	Per Year	\$1,284			
27			LABORATORY ANALYSIS	UOM	PRICE			
27.1			GENERAL CHEMISTRY					
	27.1.3		Oil & Grease	Each	\$57.00			
	27.1.5		pH	Each	\$14.00			
	27.1.6		Total Organic Carbon	Each	\$45.00			

TASKS		ITEM DESCRIPTION	UOM	MAXIMUM ALLOWED	2022 Work Group Proposed Revision	% change increase or decrease	Additional Comments
	27.1.8	Turbidity	Each	\$14.00			
		27.1.8.1 Total Dissolved Solids.	Each	\$15.00			
		27.1.8.2 Total Suspended Solids	Each	\$16.00			
		27.1.8.3 Total Settleable Solids.	Each	\$16.00			
	27.1.10	Salinity	Each	\$17.00			
	27.1.11	Total Kjeldahl Nitrogen	Each	\$35.00			
	27.1.12	Nitrogen, Nitrate	Each	\$18.00			
	27.1.13	Nitrogen, Nitrite	Each	\$16.00			
	27.1.14	Nitrogen Ammonia	Each	\$22.00			
	27.1.15	Total Phosphorous	Each	\$25.00			
	27.1.16	Percent Moisture	Each	\$11.00			
	27.1.17	Sulfate US EPA Method 375.40 (Groundwater Only)	Each	\$17.00			
	27.1.18	Chloride US EPA Method 325.1 or Standard Methods 4500-CLB (Groundwater Only)	Each	\$16.00			
	27.1.20	MBAS (Surfactants)	Each	\$50.00			
	27.1.21	Sulfide	Each	\$26.00			
	27.1.25	Phenolics	Each	\$34.00			
	27.1.27	Total Residual Chlorine	Each	\$19.00			
	27.1.28	Specific Conductance	Each	\$12.00			
	27.1.29	CTAS Surfactants	Each	\$132.00			
27.2		MICROBIOLOGY					
	27.2.1	Bioremediation parameters					
		27.2.1.1 Total Viable Organisms (HTPC)	Each	\$60.00			
		27.2.1.5 Petroleum & BTEX Degradors	Each	\$108.00			
		27.2.1.6 Biological Oxygen Demand	Each	\$29.00			
		27.2.1.7 Chemical Oxygen Demand	Each	\$25.00			
27.3	27.2.1.8	CO2 (Carbon Dioxide)	Each	\$31.00			
		METALS & MINERALS					
	27.3.1	Aluminum	Each	\$13.00			
	27.3.2	Antimony	Each	\$13.00			
	27.3.3	Arsenic	Each	\$13.00			
	27.3.4	Barium	Each	\$13.00			
	27.3.5	Beryllium	Each	\$13.00			
	27.3.6	Boron	Each	\$13.00			
	27.3.7	Cadmium	Each	\$13.00			
	27.3.8	Calcium	Each	\$13.00			
	27.3.9	Chromium, Total	Each	\$13.00			
	27.3.10	Chromium, Hexavalent	Each	\$32.00			
	27.3.10.1	Chromium, Trivalent	Each	\$72.00			
	27.3.12	Copper	Each	\$13.00			
	27.3.13	Total Iron (Total FE)	Each	\$21.00			
		27.3.13.1 Ferrous Iron (FE2)	Each	\$31.00			
		27.3.13.2 Ferric Iron (FE3)	Each	\$61.00			
	27.3.14	Lead	Each	\$18.00			
		27.3.14.1 Tetra-ethyl Lead. This is an additional method applicable to water only. Method ASTM E3341-91M	Each	\$130.00			
	27.3.16	Magnesium	Each	\$13.00			
	27.3.17	Manganese	Each	\$13.00			
	27.3.18	Mercury	Each	\$13.00			
	27.3.19	Molybdenum	Each	\$13.00			
	27.3.20	Nickel	Each	\$13.00			
	27.3.21	Potassium	Each	\$13.00			
	27.3.22	Selenium	Each	\$13.00			
	27.3.23	Silver	Each	\$13.00			
	27.3.24	Sodium	Each	\$13.00			
	27.3.29	Zinc	Each	\$13.00			
	27.3.30	RCRA 8 Metals - AS/BA/CD/CR/PB/HG/SE/AG *	Each	\$95.00			
	27.3.31	Priority Pollutant Package (13) AS/SB/BE/CD/CR/CU/NI/PB/HG/SE/AG/TL/ZN	Each	\$131.00			
	27.3.32	MCP 13 Metals	Each	\$143.00			
	27.3.33	MCP 14 Metals	Each	\$164.00			
27.4		GAS CHROMATOGRAPHY					
	27.4.2	Purgeable Aromatics	Each	\$68.00			
	27.4.4	BTEX & MTBE	Each	\$75.00			
	27.4.5	Volatile Organic Analysis & MTBE-GCMS or other EPA Method	Each	\$240.00			
	27.4.6	Methanol	Each	\$14.00			
		27.4.6.1 Oxygenates (DIPE, ETBE, TBA, TAME)	Each	\$150.00			
		27.4.6.2 Ethanol	Each	\$160.00			
		27.4.6.2.1 Ethanol Add on	Each	\$12.00			
	27.4.7	Methane, Ethane & Ethene (ME&E) US EPA Method 8015/RSKERR	Each	\$150.00			
	27.4.8	Semi-volatile organic analysis	Each	\$300.00			
		27.4.8.1 Methylphenol (Add On)					
		27.4.8.2 Semi-volatile MCP List	Each	\$300.00			
	27.4.9	Semi-Volatile Petroleum Hydrocarbons/GCFID (Diesel Range)	Each	\$73.00			
	27.4.10	GCFID Fingerprint	Each	\$75.00			
	27.4.11	Pesticides (Priority Pollutant)	Each	\$93.00			
	27.4.12	PCB's	Each	\$81.00			
	27.4.14	BTEX, Ethers (MTBE, DIPE) Add on	Each	\$72.00			
	27.4.15	Polynuclear Aromatic Hydrocarbons (PAH)	Each	\$113.00			
		27.4.15.1 Polynuclear Aromatic Hydrocarbons (PAH) By SIM	Each	\$128.00			
	27.4.16	AIR SAMPLE ANALYSIS					
		27.4.16.1 BTEX & MTBE	Each	\$87.00			
		27.4.16.2 Volatile Petroleum Hydrocarbons/ Gasoline Range & Methane	Each	\$107.00			
		27.4.16.3 Polynuclear Aromatic Hydrocarbons by GC/MS	Each	\$226.00			
		27.4.16.4 Petroleum Hydrocarbons/Diesel Fuel Range	Each	\$114.00			
	27.4.17	AIR SAMPLE ANALYSIS - INDOOR AIR QUALITY					
		27.4.17.1 BTEX & MTBE - includes Summa Canister	Each	\$480.00			
		27.4.17.1.2 TO15 (TO14 + 15 TICS)	Each	\$279.00			
		27.4.17.2 Volatile Petroleum Hydrocarbons/ Gasoline Range					
		27.4.17.2.2 Includes Summa Canister	Each	\$279.00			
		27.4.17.3 DEP Air Petroleum Hydrocarbons (Draft Method)					
		27.4.17.3.1 SUMMA Canister - DEP Method - Normal Turnaround	Each	\$324.00			
	27.4.17.3.3	Tenax Tubes - DEP Method - Normal	Each	\$390.00			

TASKS			ITEM DESCRIPTION	UOM	MAXIMUM ALLOWED	2022 Work Group Proposed Revision	% change increase or decrease	Additional Comments
	27.4.18		DEP VPH	Each	\$105.00			
		27.4.18.1	Method 5035 -Soil Preservation Kit for Unknown or Low Level Concentrations	Each	\$7.00			
		27.4.18.3	Method 5035 - Soil Preservation Kit for Medium Level Concentrations	Each	\$9.00			
	27.4.27		DEP EPH	Each	\$152.00			
	27.4.28		Methane (US EPA Method 8015M/EP18/TO3)	Each	\$143.00			
27.5			RCRA WASTE CHARACTERIZATION					
	27.5.1		Ignitability (flash point)	Each	\$27.00			
	27.5.2		Corrosivity (as pH)	Each	\$10.00			
	27.5.3		Cyanide Reactivity	Each	\$52.00			
	27.5.4		Sulfide Reactivity	Each	\$50.00			
	27.5.5		Paint Filter	Each	\$15.00			
	27.5.6		TCLP Extraction-Add on	Each	\$47.00			
	27.5.7		Zero Headspace Extraction	Each	\$48.00			
	27.5.8		Metal Extraction	Each	\$30.00			
	27.5.9		Alkalinity	Each	\$15.00			
	27.5.10		TCLP Metals	Each	\$76.00			
27.6			DRINKING WATER ORGANICS					
	27.6.4		Ethylene Dibromide/1,2 Dibromo-3-Chloropropane	Each	\$80.00			
	27.6.9		Volatile Organic Analysis (Task Code eliminated - see TC 27.4.5)	Each				
27.8	27.6.10		Semi-Volatile Organic Analysis	Each	\$284.00			
			PETROLEUM HYDROCARBONS					
	27.8.1		Total Petroleum Hydrocarbons (TPH)	Each	\$76.00			
27.9			GEOTECHNICAL ANALYSES					
	27.9.1		Sieve/Hydrometer Grain Size Analysis (gradation)	Each	\$93.00			
	27.9.2		Bulk Density	Each	\$100.00			
	27.9.3		Flexible Wall Permeability	Each	\$280.00			
27.10			Laboratory Add On					
	27.10.1		Groundwater Sample Filtration	Each	\$12.00			
	27.10.3		MCP Data Package	Each	\$50.00			

28			EQUIPMENT RENTAL: Equipment can be rented/leased for up to six (6)	UOM	PRICE			
28.1			Soil Vapor Extraction Module with vacuum blower, moisture separator and controls.					
	28.1.1		100-150 scfm					
		28.1.1.1	Daily		\$75			
		28.1.1.3	Monthly		\$900			
	28.1.2		150-250 scfm					
		28.1.2.3	Monthly		\$1,500			
	28.1.3		250-400 scfm					
		28.1.3.1	Daily		\$200			
		28.1.3.3	Monthly		\$2,400			
28.1.4		400-550 scfm						
	28.1.4.3	Monthly		\$3,000				
28.2			Portable Air Compressor, Diesel or Gasoline Powered (includes fuel)					
	28.2.1		100 - 299 scfm					
		28.2.1.1	Daily		\$250			
		28.2.1.3	Monthly		\$2,250			
	28.2.2		300 - 750 scfm					
		28.2.2.1	Daily		\$400			
	28.2.3		751-900 scfm					
		28.2.3.1	Daily		\$500			
		28.2.3.2	Weekly		\$2,000			
28.2.3.3		Monthly		\$4,800				
28.2.4		901-1,400 scfm						
	28.2.4.1	Daily		\$750				
28.3			Backhoe/Loader, rubber tire					
	28.3.1		Hourly		\$45			
	28.3.2		Daily		\$350			
	28.3.3		Weekly		\$1,400			
28.4			Excavator, track					
	28.4.1		Hourly		\$110			
	28.4.2		Daily		\$880			
	28.4.3		Weekly		\$3,520			
28.5			Exhaust Fan, 10" Explosion Proof					
	28.5.1		Daily		\$25			
	28.5.2		Weekly		\$100			
	28.5.3		Monthly		\$300			
28.6			Exhaust Fan, 20" Explosion Proof					
	28.6.1		Daily		\$65			
	28.6.3		Monthly		\$300			
28.7			Equipment Enclosure 8' x 20'					
	28.7.2		Monthly		\$800			
28.9			Generator (Excluding fuel)					
	28.9.1		3.5 kw					
		28.9.1.1	Daily		\$100			
		28.9.1.2	Weekly		\$400			
	28.9.2		6.5 kw					
		28.9.2.1	Daily		\$125			
		28.9.2.3	Monthly		\$1,500			
	28.9.3		10 to 24 kw					
		28.9.3.1	Daily		\$200			
		28.9.3.2	Weekly		\$800			
	28.9.4		25 to 49 kw					
		28.9.4.1	Daily		\$300			
28.9.4.2		Weekly		\$1,200				
28.9.4.3		Monthly		\$3,600				
28.9.6		Fuel	Actual	At Cost				
28.9.7		Motor Oil	Actual	At Cost				
28.10			Jack Hammer, pneumatic 90 lb.					
	28.10.1		Hourly		\$15			
	28.10.2		Daily		\$75			
28.11			Discharge Hose					
	28.11.1		3/4" X 50'					
		28.11.1.3	Monthly		\$36			
	28.11.2		2" X 50'					

TASKS			ITEM DESCRIPTION	UOM	MAXIMUM ALLOWED	2022 Work Group Proposed Revision	% change increase or decrease	Additional Comments
	28.11.3	28.11.2.1	Daily		\$8			
		28.11.2.2	Weekly		\$32			
		28.11.2.3	Monthly		\$96			
		28.11.3.1	Daily		\$12			
		28.11.3.2	Weekly		\$48			
28.12	28.12.1		Skid Steer Loader or Mini Excavator					
			Skid Steer Loader (with bucket/blade)					
		28.12.1.1	Daily		\$350			
		28.12.1.2	Weekly		\$1,400			
		28.12.1.3	Monthly		\$4,200			
		28.12.1.4	Hydraulic attachment (e.g. hammer, excavator, sweeper)	Per Day	\$300			
	28.12.2		Mini Excavator (up to 9 metric tons)					
		28.12.2.1	Daily		\$600			
28.13	28.13.2		3 to 4 Yard Loader, Front-end					
		28.13.1	Daily		\$900			
		28.13.2	Weekly		\$3,600			
28.14	28.14.3		Mounted LEL Sensor					
		28.14.1	Daily		\$35			
		28.14.3	Monthly		\$230			
28.15	28.15.1		Pump, Construction/Dewatering					
			1 hp					
		28.15.1.1	Daily		\$40			
		28.15.1.2	Weekly		\$160			
	28.15.2		2 hp					
		28.15.2.1	Daily		\$60			
		28.15.2.2	Weekly		\$240			
		28.15.2.3	Monthly		\$720			
	28.15.3		3 hp					
		28.15.3.1	Daily		\$75			
		28.15.3.2	Weekly		\$300			
		28.15.3.3	Monthly		\$900			
	28.15.4		5 hp					
		28.15.4.1	Daily		\$80			
		28.15.4.2	Weekly		\$320			
		28.15.4.3	Monthly		\$415			
	28.15.5		10 hp					
		28.15.5.1	Daily		\$250			
		28.15.5.2	Weekly		\$750			
		28.15.5.3	Monthly		\$2,250			
28.16	28.16.1		Oil/Water Separator/Storage Tank					
			0-50 gpm w/ 280 Gallon Storage					
		28.16.1.3	Monthly		\$1,800			
		28.16.1.4	Coalescing Pack	Actual	At Cost			
	28.16.2		51-100 gpm w/ 550 Gallon Storage					
		28.16.2.3	Monthly		\$2,400			
	28.16.3		Coalescing Pack	Actual	At Cost			
			>100 gpm w/ 1,000 Gallon or Greater Storage					
		28.16.3.2	Weekly		\$1,000			
		28.16.3.3	Monthly		\$3,000			
		28.16.3.4	Coalescing Pack	Actual	At Cost			
	28.16.4		Mobile Tanker (separator 5,000-8,800 gallons)					
		28.16.4.1	Daily		\$250			
28.17	28.17.3		Monthly		\$4,800			
		28.17.1	Daily		\$400			
		28.17.4	Fuel	Actual	At Cost			
		28.17.5	Thermal Oxidizer					
	28.17.6		Monthly		\$4,800			
		28.17.6.3	Thermal Oxidizer/Catalytic Converter					
	28.17.7		Monthly		\$6,000			
			Tractor, truck					
		28.17.7.1	Daily		\$280			
		28.17.7.3	Monthly		\$2,800			
	28.17.8		Trailer/Low bed					
		28.17.8.1	Daily		\$120			
	28.17.9		Monthly		\$1,200			
		28.17.9.3	Water Tanker					
	28.17.10		Potable, Spring or Well Water	Actual	At Cost			
			Truck, (6 Wheel) 2 to 10 Yard Dump					
		28.17.10.1	Daily		\$320			
		28.17.10.2	Weekly		\$1,280			
	28.17.11		Monthly		\$3,840			
		28.17.10.4	Hourly		\$40			
			Truck, (10 Wheel) 20 Yard Dump					
		28.17.11.1	Daily		\$400			
	28.17.13		Hourly		\$50			
			General vehicle (Pickup Truck, passenger vehicle, van)					
		28.17.13.1	Daily		\$125			
		28.17.13.2	Weekly		\$500			
	28.17.14		Truck, Maintenance/Boom/Bucket					
		28.17.14.1	Daily		\$760			
		28.17.14.3	Monthly		\$7,200			
	28.17.15		Truck, Mobile Shop/Box - vehicle only					
		28.17.15.1	Daily		\$200			
28.18	28.18.1		Treatment Systems					
			Air Stripper with associated piping, flow controls, and flow meter					
		28.18.1.1	0 - 25 gpm					
		28.18.1.1.1	Daily		\$100			
		28.18.1.1.3	Monthly		\$1,200			
		28.18.1.2	26 - 50 gpm					
		28.18.1.2.3	Monthly		\$1,800			
		28.18.1.3	> 50 gpm					
		28.18.1.3.1	Daily		\$250			

TASKS			ITEM DESCRIPTION	UOM	MAXIMUM ALLOWED	2022 Work Group Proposed Revision	% change increase or decrease	Additional Comments
	28.18.2	28.18.1.3.2	Weekly		\$1,000			
			Liquid Phase Carbon Canisters excluding granular activated carbon, unless otherwise noted. See Task code 23 for carbon.					
		28.18.2.1	55 Gallon drum, 5 psig max design pressure, 0-10 gpm, up to 185 lbs of carbon included.					
		28.18.2.1.3	Monthly - one month maximum reimbursement		\$360			
		28.18.2.2	Pressure vessel, 150 psig max design pressure, 0-25 gpm, 125-200 lbs of carbon required to fill vessel					
		28.18.2.2.3	Monthly		\$600			
		28.18.2.3	Pressure vessel, 150 psig max design pressure, 0-35 gpm, 400-600 lbs of carbon required to fill vessel					
		28.18.2.3.3	Monthly		\$750			
		28.18.2.4	Pressure vessel, 75 psig max design pressure, 0-50 gpm, 800-1200 lbs of carbon required to fill vessel					
		28.18.2.4.1	Daily		\$100			
		28.18.2.4.2	Weekly		\$500			
		28.18.2.4.3	Monthly		\$1,750			
		28.18.2.5	Pressure vessel, 75 psig max design pressure, 0-75 gpm, 1500-2000 lbs of carbon required to fill vessel					
		28.18.2.5.2	Weekly		\$750			
		28.18.2.5.3	Monthly		\$2,500			
	28.18.3		Vapor phase carbon canisters offgas treat system excluding granular activated carbon unless otherwise noted. See Task code 23					
		28.18.3.1	55 Gallon drum, 5 psig design pressure, 0-100 cfm of air flow					
		28.18.3.1.1	Daily		\$20			
		28.18.3.1.3	Monthly - one month maximum reimbursement		\$560			
		28.18.3.2	Pressure vessel, 15 psig design pressure, 0-300 cfm of air flow, 300-500 lbs of carbon required to fill vessel					
		28.18.3.2.3	Monthly		\$600			
		28.18.3.3	Pressure vessel, 15 psig design pressure, 0-500 cfm of air flow, 800-1000 lbs of carbon required to fill vessel					
		28.18.3.3.3	Monthly		\$720			
		28.18.3.4	Pressure vessel, 15 psig design pressure, 0-1000 cfm of air flow, 1800-2000 lbs of carbon required to fill vessel					
		28.18.3.4.1	Daily		\$70			
		28.18.3.4.3	Monthly		\$840			
		28.18.3.5	Pressure vessel, 15 psig design pressure, 0-1500 cfm of air flow, 2200-2500 lbs of carbon required to fill vessel					
		28.18.3.5.2	Weekly		\$320			
		28.18.3.5.3	Monthly		\$960			
		28.18.3.6	Pressure vessel, 29.9 inches vacuum of mercury max, 0-1000 cfm of air flow, 1800-2000 lbs of carbon required to fill vessel					
		28.18.3.6.1	Daily		\$80			
		28.18.3.6.2	Weekly		\$320			
		28.18.3.6.3	Monthly		\$960			
	28.18.4	28.18.4	Liquid Vacuum Truck with Operator	Per Hour	\$150			
		28.18.4.1	Vactor Solids Excavator with Operator	Per Hour	\$187			
		28.18.4.2	Trailer Mounted Air Excavator with Operator	Per Hour	\$118			
		28.18.4.3	Monthly EFR-Up to 2 Events per month for a maximum of 6 months - See additional guidance	Per Event	\$3,500			
	28.18.5		Liquid Disposal	Per Gallon	\$2			
		28.18.5.1	Frac Tanks (21,000 Gallon)					
		28.18.5.1.1	Daily		\$125			
		28.18.5.1.2	Weekly		\$500			
		28.18.5.1.3	Monthly		\$1,800			
		28.18.5.1.4	Mob or DeMob Per Tank	NTE	\$600			
		28.18.5.1.5	Decontamination of Frac Tank	T & M/NTE	\$3,000			
	28.18.6		Mobile Groundwater Treatment Trailer with oil/water separator, liquid phase granular activated carbon vessels, transfer pump, heater and electrical controls. Up to 50 gallons per minute.					
		28.18.6.1	Daily		\$250			
		28.18.6.2	Weekly		\$1,000			
		28.18.6.3	Monthly		\$3,000			
	28.18.7		Mobile Groundwater Treatment Trailer with oil/water separator, liquid phase granular activated carbon vessels, up to 50 gallons per minute, transfer pump, heater and electrical controls. With soil vapor extraction module for 100 cfm flow rate with vapor phase granular activated carbon vessel.					
		28.18.7.1	Daily		\$400			
		28.18.7.2	Weekly		\$1,600			
		28.18.7.3	Monthly		\$4,800			
	28.18.8		30 cfm butane injector panel with air compressor and includes	Monthly	\$3,200			
		28.18.8.1	Butane	Actual	At Cost			
28.19	28.19.1		Turbine Meters - Combined totalizer and flow rate					
			1/2" Diameter Turbine Meter					
		28.19.1.1	Daily		\$30			
		28.19.1.3	Monthly		\$90			
	28.19.2		1" Diameter Turbine Meter					
		28.19.2.3	Monthly		\$90			
	28.19.3		1 1/2" Diameter Turbine Meter					
		28.19.3.3	Monthly		\$95			
	28.19.4		2" Diameter Turbine Meter					
		28.19.4.3	Monthly		\$100			
28.20			10 Ton Vibratory Roller or equivalent					
	28.20.1		Daily		\$750			
	28.20.2		Weekly		\$3,000			
28.21			Portable Vibratory Plate Compactor					
	28.21.1		Daily		\$250			
	28.21.2		Weekly		\$1,000			
28.22			Traffic Controls					
	28.22.1		Daily		\$750			
	28.22.2		Weekly		\$3,750			
	28.22.3		Monthly		\$15,750			
		28.22.4	Fuel	Actual	At Cost			

TASKS			ITEM DESCRIPTION	UOM	MAXIMUM ALLOWED	2022 Work Group Proposed Revision	% change increase or decrease	Additional Comments
	28.22.5		Delivery & Pick-up of Traffic Controls	Each	\$300			
28.23			Electric or Pneumatic Submersible Pump Rental with Controls					
	28.23.1		Daily		\$50			
	28.23.2		Weekly		\$200			
	28.23.3		Monthly		\$600			
28.24			Electric or Pneumatic Non-Aqueous Phase Liquid Pump Rental with					
	28.24.3		Monthly		\$600			
28.25			Air Sparging Compressor Rental with Controls up to 30 cfm @ 15 psi					
	28.25.3		Monthly		\$600			
28.26			Air Sparging Compressor Rental with Controls up to 50 cfm @ 15 psi					
	28.26.2		Weekly		\$300			
	28.26.3		Monthly		\$900			
28.27			Asphalt/Concrete Cutting Saw, self-propelled (includes blade wear)	Per Day	\$450			
28.28			Trench Box/Pneumatic Shoring (includes mobilization/demobilization)	Actual	At Cost			
28.29			Roll-off container (includes liner, cover, mobilization)	Actual	At Cost			
29			MISCELLANEOUS MATERIALS					
29.1			Passive Skimmers/Absorbent Booms/Socks	Actual	At Cost			
29.2			Absorbent Pads	Actual	At Cost			
29.3			Drums, 55-Gallon (incl gaskets, bolts, seals, bungs, etc)	Each	\$60			
29.4			Drums, 35-Gallons (incl gaskets, bolts, seals, bungs, etc)	Each	\$45			
29.5			Drum Liners	Each	\$25			
29.6			85-95 Gallon Overpack Drum	Each	\$245			
29.7			Granular Absorbent (excludes activated carbon)	Actual	At Cost			
29.8			Barrier Tape	100'	\$6			
29.9			Orange Safety Fence 30"-48" high with posts	100'	\$250			
29.10			Hay Bales	Each	\$6			
29.11			Poly sheeting for stockpile	Actual	At Cost			
29.12			Double-staked hay bale with silt fence, installed	per foot	At Cost			
29.13			Straw wattle - 12-inch diameter, installed	per foot	At Cost			
29.14			Replacement of damaged padlocks	Actual	At Cost			
30			SALES TAX					
30.1			State Sales Tax	Actual	At Cost			
31			FREIGHT					
31.1			Freight	Actual	At Cost			
32			FIRMS AND EQUIPMENT NOT APPROVED					
			Reserved					Task code eliminated - never used
			NOTE: Gaps in task code number sequencing indicates the missing task code has either been eliminated or reassigned					